

# Product datasheet for TA890046

# TGF beta 2 (TGFB2) Rabbit Polyclonal Antibody

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	WB
<b>Recommended Dilution:</b>	WB: 1:500~1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human TGFB2
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	3.25mg/ml
Purification:	Purified from the immunized serum by affinity chromatography (Protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	47.6 kDa
Gene Name:	transforming growth factor beta 2
Database Link:	<u>NP_003229</u> <u>Entrez Gene 21808 MouseEntrez Gene 81809 RatEntrez Gene 7042 Human</u> <u>P61812</u>



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#### **GRIGENE** TGF beta 2 (TGFB2) Rabbit Polyclonal Antibody – TA890046

Background:This gene encodes a member of the transforming growth factor beta (TGFB) family of<br/>cytokines, which are multifunctional peptides that regulate proliferation, differentiation,<br/>adhesion, migration, and other functions in many cell types by transducing their signal<br/>through combinations of transmembrane type I and type II receptors (TGFBR1 and TGFBR2)<br/>and their downstream effectors, the SMAD proteins. Disruption of the TGFB/SMAD pathway<br/>has been implicated in a variety of human cancers. The encoded protein is secreted and has<br/>suppressive effects of interleukin-2 dependent T-cell growth. Translocation t(1;7)(q41;p21)<br/>between this gene and HDAC9 is associated with Peters' anomaly, a congenital defect of the<br/>anterior chamber of the eye. The knockout mice lacking this gene show perinatal mortality<br/>and a wide range of developmental, including cardiac, defects. Alternatively spliced transcript<br/>variants encoding different isoforms have been identified. [provided by RefSeq, Sep 2010]

#### Synonyms: G-TSF; LDS4; TGF-beta2

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Cytokine-cytokine receptor<br/>interaction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling<br/>pathway, Pancreatic cancer, Pathways in cancer, Renal cell carcinoma, TGF-beta signaling<br/>pathway

### **Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TGFB2 (Cat# [RC212624], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TGFB2 antibody (Cat# TA890046). Positive lysates [LY401115] (100ug) and [LC401115] (20ug) can be purchased separately from OriGene.

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Western blot analysis of extracts (35ug) from different cell lines or tissues by using anti-TGFB2 rabbit polyclonal antibody (TA890046).

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